



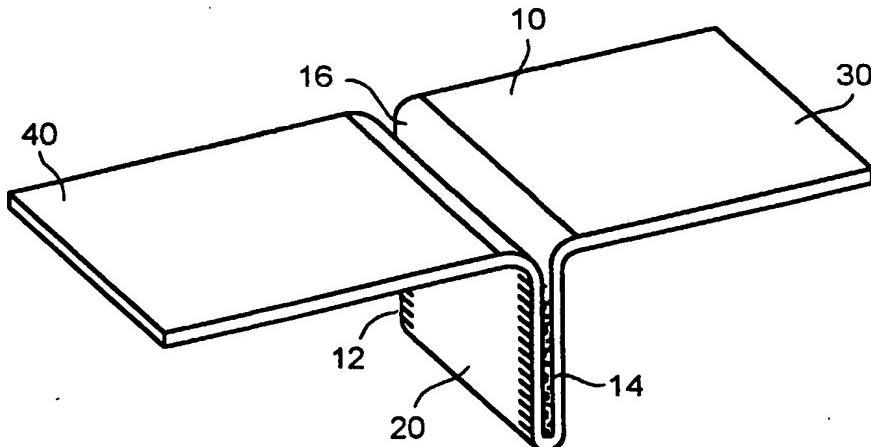
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: MEDICAMENT CARRIER

## (57) Abstract

There is provided a carrier comprising an elongate strip (10) having a first portion and a second portion; a fold between said first portion and said second portion such that the first portion contacts the second portion; and a join between the first portion and the second portion, wherein said join and the fold form the edges of a pocket or pouch (20) for containment of product. The carrier is suitable for the containment of a range of different products, particularly medicaments.



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/03515

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 B65D75/20 A61M15/00 A61K9/70

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D A61M A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 698 549 A (GLASSMAN JACOB A) 17 October 1972 (1972-10-17)  claims; figures -----	1, 10, 11, 21-28, 32, 34, 42-87
X	EP 0 101 298 A (JOHNSON & JOHNSON PROD INC) 22 February 1984 (1984-02-22)  claims; figures -----	1, 4-7, 9-12, 21-28, 32, 34, 42-87
X	WO 88 10219 A (MOELNLYCKE AB) 29 December 1988 (1988-12-29)  claims; figures -----	1, 21-28, 32, 34, 42-87
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/03515

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 850 597 A (PAD-Y-WAX COMPANY) 20 December 1939 (1939-12-20)	1,4,14, 15,22, 24, 26-28, 32,42-87
A	claims; figures ---	2,25
X	US 3 724 651 A (LINK M) 3 April 1973 (1973-04-03)	1,4, 22-28, 34-87
A	claims; figures ---	10,11
A	US 2 968 396 A (PRATT) 17 January 1961 (1961-01-17)	1-4, 9-12,22, 24-28, 32,34-87
	claims; figures ---	
P,A	US 6 024 732 A (SAMUELSSON ANN) 15 February 2000 (2000-02-15)	1,4-8, 10, 21-28, 32,34, 42-87
	claims; figures ---	
A	US 5 077 104 A (HUNT) 21 December 1989 (1989-12-21) abstract; figures ---	1,5-8, 35,36,38
A	US 5 590 645 A (DAVIES MICHAEL BIRSHA ET AL) 7 January 1997 (1997-01-07) abstract; claims -----	1,29-31, 35,39-41

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 00/03515

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2.  Claims Nos.: 88-89 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

#### Rule 6.2 (a) PCT – References to other parts of the international application

3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims: it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/03515

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3698549	A	17-10-1972	NONE	
EP 0101298	A	22-02-1984	AT 31873 T AU 562018 B AU 1781483 A CA 1209870 A DE 3375282 D DK 364883 A FI 832878 A IE 54385 B JP 1650384 C JP 3010333 B JP 59049762 A ZA 8305875 A	15-01-1988 28-05-1987 16-02-1984 19-08-1986 18-02-1988 12-02-1984 12-02-1984 13-09-1989 30-03-1992 13-02-1991 22-03-1984 27-03-1985
WO 8810219	A	29-12-1988	SE 464020 B AU 1960388 A DK 652489 A EP 0364486 A NO 895148 A SE 8702582 A	25-02-1991 19-01-1989 21-12-1989 25-04-1990 20-12-1989 23-12-1988
FR 850597	A	20-12-1939	NONE	
US 3724651	A	03-04-1973	NONE	
US 2968396	A	17-01-1961	NONE	
US 6024732	A	15-02-2000	SE 508253 C AU 7150496 A EP 0959835 A GB 2305903 A,B JP 11512631 T SE 9503401 A WO 9712572 A	21-09-1998 28-04-1997 01-12-1999 23-04-1997 02-11-1999 03-04-1997 10-04-1997
US 5077104	A	31-12-1991	AT 166029 T AU 639073 B AU 7167491 A CA 2032446 A DE 69032313 D DE 69032313 T EP 0506860 A ES 2114885 T FI 922811 A KR 153745 B NO 300880 B NZ 236487 A PT 96221 A,B WO 9109731 A US 5256956 A US 5268209 A ZA 9010132 A	15-05-1998 15-07-1993 24-07-1991 22-06-1991 18-06-1998 03-09-1998 07-10-1992 16-06-1998 17-06-1992 16-11-1998 11-08-1997 23-12-1992 30-09-1991 11-07-1991 26-10-1993 07-12-1993 30-10-1991
US 5590645	A	07-01-1997	US 6032666 A AT 401007 B AT 43791 A AU 675825 B	07-03-2000 28-05-1996 15-10-1995 20-02-1997

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP 00/03515

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5590645 A		AU	5926794 A	16-06-1994
		AU	645056 B	06-01-1994
		AU	7202591 A	05-09-1991
		BE	1003798 A	16-06-1992
		BR	9100843 A	05-11-1991
		CA	2037421 A	03-09-1991
		CH	683319 A	28-02-1994
		CN	1054893 A,B	02-10-1991
		CN	1107687 A	06-09-1995
		CZ	283168 B	14-01-1998
		CZ	9601807 A	16-12-1998
		CY	2010 A	20-02-1998
		CY	2014 A	20-02-1998
		CZ	285501 B	11-08-1999
		DE	4106379 A	05-09-1991
		DK	37991 A	03-09-1991
		ES	2031763 A	16-12-1992
		FI	911037 A	03-09-1991
		FI	990115 A	21-01-1999
		FR	2659558 A	20-09-1991
		FR	2660550 A	11-10-1991
		GB	2242134 A,B	25-09-1991
		GB	2274273 A,B	20-07-1994
		GR	91100096 A,B	30-06-1992
		HK	18895 A	17-02-1995
		HK	19195 A	17-02-1995
		HR	940631 A	31-08-1996
		IE	64503 B	09-08-1995
		IL	97396 A	31-12-1995
		IT	1244655 B	08-08-1994
		JP	4220266 A	11-08-1992
		LU	87898 A	16-11-1992
		NL	9100381 A	01-10-1991
		NO	910836 A	03-09-1991
		NO	302929 B	11-05-1998
		NO	980033 A	05-01-1998
		NZ	237274 A	27-02-1996
		NZ	260140 A	27-02-1996
		PL	167736 B	31-10-1995
		PT	96920 A,B	29-01-1993
		SE	512934 C	05-06-2000
		SE	9100582 A	03-09-1991
		SG	169094 G	28-04-1995
		SI	9110367 A	30-04-1995
		RU	2075977 C	27-03-1997